

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)APPLICANT:
Mathew DuringFILING DATE
27 April 2000GROUP 1633 1635
Not yet assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
MP	P1	4,797,368	01/10/89	Carter et al.	435	320.1	
↓	P2	5,139,941	08/18/93	Muzyczcka et al.	435	172.3	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
MP	F1	DE 4219626 A1	16.06.92	Germany				
	F2	O 488528 B1	03.06.92	EPO				
	F3	O 592836 A1	20.04.94	EPO				
	F4	WO 91/18088	28.11.91	PCT				
	F5	WO 93/09239	13.05.93	PCT				
	F6	WO 93/24641	09.12.93	PCT				
↓	F7	WO 94/13788	23.06.94	PCT				

OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

MP	D1	Bosselman et al, "Replication-Defective Chimeric Helper Provirus and Factors Affecting Generation of Competent Virus: Expression of Moloney Murine Leukemia Virus Structural Genes via the Metallothionein Promoter", <i>Molecular and Cellular Biology</i> , 7(5):1797-1806 (May 1987)
↓	D2	Carter, "Adeno-Associated Virus Vector", <i>Current Opinion in Biotechnology</i> , 3(5):533-539 (October 1992)
↓	D3	Flotte et al, "Expression of the Cystic Fibrosis Transmembrane Conductance Regulator from a Novel Adeno-Associated Virus Promoter", <i>J. Biol. Chem.</i> , 268(5):3781-3790 (February 1993)

EXAMINER

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3-26-01

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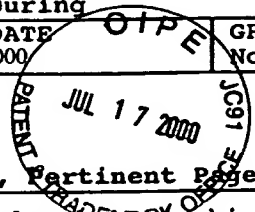
MP	D4	Friedmann, "Gene Therapy for Disorders of the CNS" <i>Gene Therapy</i> , 1(Supplement 1), Pages S47-S48 (August 1993)
	D5	Hermonant and Muzyczka, "Use of Adeno-Associated Virus as a Mammalian DNA Cloning Vector: Transduction of Neomycin Resistance Into Mammalian Tissue Culture Cells", <i>Proc. Natl. Acad. Sci.</i> , 81:6466-6470 (October 1984)
	D6	Lebkowski et al, "Adeno-Associated Virus: a Vector System for Efficient Introduction and Integration of DNA Into a Variety of Mammalian Cell Types" <i>Molecular and Cellular Biology</i> , 8(10):3988-3996 (October 1988)
	D7	Laughlin et al, "Cloning of Infectious Adeno-Associated Virus Genomes in Bacterial Plasmids", <i>Gene</i> , 23:65-73 (1983)
	D8	McLaughlin et al., "Adeno-Associated Virus General Transduction Vectors: Analysis of Proviral Structures", <i>J. of Virology</i> , 62(6):1963-1973 (June 1988)
	D9	Mendelson et al, "Expression and Rescue of a Nonselected Marker from an Integrated AAV Vector", <i>Virology</i> , 166:154-165 (1988)
	D10	Miller et al, "Factors Involved in Production of Helper Virus-Free Retrovirus Vectors", <i>Somatic Cell and Molecular Genetics</i> , 12(2):175-183 (1986)
	D11	Ohi et al, "Construction and Characterization of Recombinant Adeno-Associated Virus Genome Containing Human Beta-Globin cDNA", <i>Journal of Cell Biology</i> , 107(6), Part 3, Page 304A, Abstract No. 1713 (December 1988)
	D12	Ohi et al, "Construction and Replication of an Adeno-Associated Virus Expression Vector that Contains Human β -Globin cDNA", <i>Gene</i> , 89:279-282 (1990)
	D13	Ohi et al., "Construction of Recombinant Adeno-Association Virus that Harbors Human Beta-Globin cDNA", <i>J. Cell. Biochem.</i> , Supplement 14A, Abstract D422 (1990)
	D14	Ohi et al, "Production and Expression of Recombinant Adeno-Associated Viruses Harboring Human Beta-Globin cDNA", <i>FASEB J.</i> , 4(7):A2288, Abstract No. 3438 (1990)
	D15	Ohi et al, "Synthesis of a Human Beta-Globin in the Recombinant Adeno-Associated Virus-Infected Cells: Towards Gene Therapy of Hemoglobinopathies", <i>Experimental Hematology</i> , 20(1):119, Abstract No. 56 (1992)

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Form PTO-1449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 40174	SERIAL NO. 09/559,327
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT: Mathew During	GROUP 163 1635 Not yet assigned
		FILING DATE 27 April 2000	



OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

MP	D16	Ruffing et al., "Assembly of Viruslike Particles by Recombinant Structural Proteins of Adeno-Associated Virus Type 2 in Insect Cells, <i>Journal of Virology</i> , 66(12):6922-6930 (December 1992)
	D17	Samulski, "Adeno-Associated Virus-Based Vectors for Human Gene Therapy", <i>Gene Therapy From Laboratory to the Clinic</i> , Chapter 11, Pages 232-271 (1994),
	D18	Samulski, "Adeno-Associated Viral Vectors", <i>Virus in Human Gene Therapy</i> , Chapter 3, Pages 53-76 (1995)
	D19	Samulski et al., "Cloning of Adeno-Associated Virus into pBR322: Rescue of Intact Virus from the Recombinant Plasmid in Human Cells" <i>Proc. Natl. Acad. Sci.</i> , 79:2077-2081 (March 1982)
	D20	Samulski et al, "Helper-Free Stocks of Recombinant Adeno-Associated Viruses: Normal Integration Does Not Require Viral Gene Expression", <i>Journal of Virology</i> , 63(9):3822-3828 (September 1989)
	D21	Samulski et al, "Rescue of Adeno-Associated Virus from Recombinant Plasmids: Gene Correction Within the Terminal Repeats of AAV", <i>Cell</i> , 33:135-143 (May 1983)
	D22	Samulski, "Targeted Integration of Adeno-Associated Virus (AAV) Into Human Chromosome 19", <i>EMBO J.</i> , 10(12):3941-3950 (1991)
	D23	Senapathy et al, "Replication of Adeno-Associated Virus DNA, Complementation of Naturally Occurring repMutants by a Wild-Type Genome or an oriMutant and Correction of Terminal Palindrome Deletions", <i>J. Mol. Biol.</i> , 178,179:1-20 (1984)
	D24	Shaughnessy et al, "Adeno-Associated Virus Vectors for MDR-1 Gene Therapy", <i>Proceedings of the American Association for Cancer Research</i> , 35:373, Abstract No. 2223 (March 1994)
✓	D25	Sitaric et al, "Production of a Helper-Free Recombinant Adeno-Associated Virus that Harbors Human Beta-Globin cDNA", <i>FASEB J.</i> , 5(6):A1550, Abstracts Part III, Abstract No. 6843 (March 1991)

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Not yet assigned

OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

MP	D26	Srivastava et al, "Construction of a Recombinant Human Parvovirus B19: Adeno-Associated Virus 2 (AAV) DNA Inverted Terminal Repeats are Functional in an AAV-B19 Hybrid Virus", <i>Proc. Natl. Acad. Sci.</i> , 86:8078-8082 (October 1989)
	D27	Tenenbaum and Hooghe-Peters, "Adeno-Associated Virus (AAV) as a Vector for Gene Transfer Into Glial Cells of the Human Central Nervous System", <i>Gene Therapy</i> , 1(Supplement 1), Page S80 (1993)
	D28	Tratschin et al, "A Human Parvovirus, Adeno-Associated Virus, as a Eucaryotic Vector: Transient Expression and Encapsulation of the Procaryotic Gene for Chloramphenicol Acetyltransferase", <i>Molecular and Cellular Biology</i> , 4(10):2072-2081 (October 1984)
	D29	Tratschin et al, "Genetic Analysis of Adeno-Associated Virus: Properties of Deletion Mutants Constructed In Vitro and Evidence for an Adeno-Associated Virus Replication Function", <i>J. of Virology</i> , 51(3):611-619 (September 1984)
	D30	Tratschin et al., "Adeno-Associated Virus Vector for High-Frequency Integration, Expression, and Rescue of Genes in Mammalian Cells" <i>Molecular Cellular Biology</i> , 5(11):3251-3260 (November 1985)
	D31	Walsh et al, "Gene Transfer and High Level Expression of a Human Gamma Globin Gene Mediated by a Novel Adeno-Associated Virus (AAV) Vector, <i>Clinical Research</i> , Volume 39, No. 2, Abstract No. 325A (1991)
	D32	Wong et al, "High Efficiency Gene Transfer Into Growth Arrested Cells Utilizing an Adeno-Associated Virus (AAV)-Based Vector", <i>Blood</i> , 82(10) Supplement 1, Page 302a, Abstract No. 1195 (November 1993)
	D33	
	D34	
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APPLICANT

Matthew J. During

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27 April 2000

GROUP

4633 K35

U.S. PATENT DOCUMENTS

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MP	5 4 7 8 7 4 5	12/26/95	Samulski et al.	435	320.1	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

MP	Noel RA, Rossello JP, Henning SJ, "Enhancement of gene transfer into intestinal epithelial cell lines (IEC-6 and RIE-1) by an ecotropic retroviral vector. Gastroenterology 104:A269
	Soriano-Brucher H, Lau T, Hourigan T, Finegold M, Ledley F, Henning SJ, "Gene transfer into the intestinal epithelium. Gastroenterology 100:A252
	Orkin SH, Motulsky AG, "Report and recommendations of the panel to assess the NIH investment in research on gene therapy
	Chang AGY, Wu GY, "Gene Therapy: Applications to the treatment of gastrointestinal and liver diseases. Gastroenterology 106: 1076-1084
	Lebkowski JS, McNally MM, Okarma TB, Lerch LB, "Adeno-associated virus: A vector system for efficient introduction and integration of DNA into a variety of mammalian cell types. Mol. and Cell. Biol. 8: 3988-3996

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